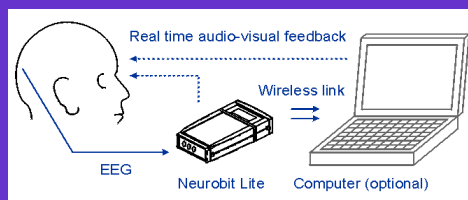


# Neurotechnology: Brain Trainer

## What is Neurofeedback?

Neurofeedback or Electroencephalogram (EEG) is one method of neuro technology used to train the brain to function in a balanced.

Previous research proved the effectiveness of neurofeedback training in order to improves your brain potential especially for those who has intellectual disabilities such as Attention Deficits Disorder (ADD), Attention Deficits Hyperactivity Disorder (ADHD), Autism, Post Traumatic Stress Disorder (PTSD), Phobic Disorder, Obsessive Compulsive Disorder (OCD) and additive.



## How Neurofeedback-works?

It works by neuroregulating in the time and frequency domains with the use of bioelectrical operant conditioning. During the neurofeedback sessions, subject will learn to produce desirable brain-wave patterns displayed on the computer screen by controlling the activity of a computerized games or task. The reward corresponds to the earned scores.

## Tentative Programme

8.30 a.m : Registration  
at Auditorium, Lobby,  
Pustaka

9.00 a,m : Talk by Assoc. Prof Dr  
Norsiah Fauzan &  
Muhamad Sophian  
Nazaruddin at  
Auditorium, Pustaka

11.00 a.m : Exhibition at Lobby,  
Auditorium, Pustaka

12.00 p.m : Refreshment &  
End of programme

Jointly Organized by:



UNIVERSITI MALAYSIA SARAWAK

## Knowledge Transfer Programme of Neurotechnology for Community

20 April 2014



This programme will be held at  
the Sarawak State library, Kuching.  
For further information, please contact:

Nain: 013-7154221,  
Qiqi: 017-5066212, or you can email to

[ktpneurofeedback@gmail.com](mailto:ktpneurofeedback@gmail.com)

## About us



Assoc. Prof. Dr Norsiah Fauzan  
(Cognitive Psychology & EEG Cert.),  
Lecturer at Department of Cognitive  
Sciences, Faculty of Cognitive Sci-  
ences and Human  
Development, UNIMAS, Sarawak.



Muhamad Sophian Nazaruddin  
(Psychophysiology/ EEG Cert.) ; Lec-  
turer at Department of Counselling,  
Faculty of  
Cognitive Sciences and Human  
Development, UNIMAS, Sarawak.



Nor Hasniah Ibrahim, (Family Coun-  
selling); Lecturer at Department of  
Counselling, Faculty of Cognitive Sci-  
ences and Human  
Development, UNIMAS, Sarawak.



Siti Norazilah Mohd Said, (Mental  
Health Counselling); Lecturer at Fac-  
ulty of Cognitive Sciences and Human  
Development, UNIMAS, Sarawak.



Siti Naqiah Shahidan &  
Nur Hurunain Amran  
(Cognitive Neuroscience)  
as a Graduate Intern at  
Faculty of Cognitive  
Sciences and Human  
development,  
UNIMAS, Sarawak

## Testimony

My son who is 20 years old joined the neuro-  
feedback training and went through 7 sessions.  
Since then, his speech has become clearer.  
He can be very good in doing his tasks much  
better than before in term of his concentration  
but his behavior can be inconsistent. Some-  
times, he may refuse to do his works and may  
even be aggressive at times (this happen even  
before the therapy). Nevertheless, we hope  
that he will continue to progress with his  
neurofeedback training.

*\*Maria, May, 2010*

Selepas lebih sebulan menjalani sesi  
neurofeedback, dia kerap kali bertanya ten-  
tang keinginannya ke sekolah. Kami agak  
ragu-ragu dengan hasratnya kerana dia te-  
lah meninggalkan alam persekolahannya  
selama 3 tahun. Untuk mendapatkan  
kepastian, saya membawanya ke sekolah  
berhampiran dan dia kelihatan begitu teruja.  
Rutin hariannya telah berubah. Dia akan  
bangun seawal 5 pagi dan terus mandi. Se-  
belum malamnya dia akan meminta pakaian  
sekolah disediakan awal. Balik dari sekolah,  
dia lebih ceria dan tidak menunjukkan gejala  
kemurungan. Tiada lagi perbuatan menced-  
erakan diri.

*\*Shiho, April, 2010*

## Neurofeedback at UNIMAS

Since 2009, at Faculty of Cognitive  
Sciences and Human Development, we  
have conducted a series of neurofeed-  
back training sessions for many case  
studies especially in intellectual disor-  
ders such as attention deficit or hyper-  
activity disorder (ADD/ADHD), autism,  
epilepsy disorder, slow learners and  
other behavioral studies related to cog-  
nitive neuroscience.

This has been reported in many reports  
and international conference proceed-  
ing and journal.

We won gold medal for Neurofeedback  
research at SIIF, Korea 2011, bronze  
medal for neurofeedback training for  
disabled child at UNIMAS R & D expo.  
We also won silver medal for Neuro-  
feedback device for disable child at  
ITEX 2010, Innovation, Invention Tech-  
nology Exhibition 2010, KLCC, Kuala  
Lumpur 14 - 16 May 2010.